Measuring sight distance for left turning drivers: Method and example

Number of Opposing Lanes to Cross (n) | Required Sight Distance [ft] = 1.47V (5 + 0.5n)
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| V=Speed of Opposing Traffic [mph] | 25 | 30 | 35 | 40 | 45 | 50 | 55
One | 203 | 243 | 283 | 324 | 364 | 405 | 445
Two | 221 | 265 | 309 | 353 | 397 | 441 | 486
Three | 239 | 287 | 335 | 383 | 430 | 478 | 526
Four | 258 | 309 | 361 | 412 | 464 | 515 | 566

Measuring Sight Distance Procedure:
- Driver 1 in voice communication with person 3
- Driver 2 stopped in opposing left-turn lane
- Person 3 places 3.5 ft. tall cone on the lane line at required sight distance and retreats back to safe position behind curb to communicate with driver 1
  - Person 3 repeats this process as required until driver 1 can see the cone
  - Person 3 measures the available sight distance
- Person 4 watches traffic for person 3

Measuring sight distance for left-turning driver 1 must cross 3 lanes in this example (n=3)

V=Speed of opposing traffic (Use speed limit if 85th percentile is not available) (45 mph in this example)